## DEFENSE ENERGY SUPPORT CENTER UTILITY PRIVATIZATION CONTRACTOR'S QUESTIONS #3 & ANSWERS

## YUMA PROVING GROUND, AZ

(UPDATED: 21 DECEMBER 2004)

RFP#: **SP0600-04-R-0113** 

CONTRACTING OFFICER: Terri Workman (703.767.8130)

CONTRACT SPECIALIST: Nancy Barnett (703.767.9402)

A. Would you please provide the project scopes for project numbers 2357, 2603, and 2760, listed in Table 5 of Attachment J01 (page J01-10)?

ANSWER: See Attached

B. Also, because of the experimental nature of the two photovoltaic stations we are having difficulty pricing the assets. Would you please provide the original installed cost and quantity of each asset type at the two stations? We have attached a worksheet that indicates the level of detail we need. If you can complete the worksheet, we will be much more confident in our valuation of the assets.

**ANSWER:** 

There is no break down of the invested costs of the various parts of the PV facilities, only a total cost is available for them

Photovoltaic Station Data Yuma Proving Grounds			1-Dec-04	
	825 kW	/ Station	105 kW	Station
		Original Cost		Original Cost
Item	Quantity	(1997)	Quantity	(1997)
Solar Panels				
Inverters				
Batteries				
Step-Up Transformer				
Metering Transformer				
Building				
Generator				
Fencing, Gravel, miscellaneous				

- C. Finally, with reference to the **YPG transmission** lines (not the distribution lines), we have the following questions:
  - 1) What is the prevalent size of the transmission feeder conductor?

ANSWER:	The feeder conductor sizes are: 336, 3/0, & 2/0 ACSR	
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2) What are the size and type (wood or metal) of the transmission poles? On page J01-3, next to last paragraph, it says that "These circuits are constructed with single pole, horizontal post, overhead static wire construction practices." But the inventory list on page J01-4 includes "Transmission Towers (2 poles/tower)". What is the design of the transmission poles? Are they cross-braced?

## **ANSWER:**

Very few steel poles are in use. They are located in two areas, some on Pole Line Road in the KOFA firing Range, and a few in the Main Administration area. All the rest are wooden. The designs of the poles are as follows: A few are A Frame, A few are Braced, but most are Slimline Close Construction.

3) What is the size and type of the overhead ground wire?

ANSWER:	Overhead Ground Wires are all 3/8" HS Steel.
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4) If the structures are steel, are they direct buried or do they have concrete foundations?

ANSWER:	All steel structures are Direct Buried.
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5) Please confirm that there are no lattice towers being used for the transmission lines.

ANSWER:	There are no Lattice towers being used for transmission lines.
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WORK ORDER ROUTING SLIP # 2357

BLDG.# <u>CIBOLA</u>

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DATE	INITIAL	DEPT PE / WR	ACTION	
8-8.00	LM	WR	Receive, enter into IFSM, coordinate	
,		WR	To Unit Price Estimate	
B/28/00	RLT	PE	Site visit with the requestor	
	$\overline{}$	PE	Desk estimate, IFSM	
		PE	Copy of unit price estimate to W.R.	
9-12-00	LM	WR	Enter Complete Unit Price Estimate in IFSM	
		WR	Schedule W.O. for meeting w/slip	
		WR	Enter Meeting Status in IFSM, i.e. APV	
		WR	Send status letter to requestor	
		WR	To Detail Estimate, send pink 4283 to PE	
·		PE	Complete Detail Estimate, copy to W.R.	
		WR	Enter status in IFSM, SUP/SCH	
		PE	Schedule Work, route to WR	
		WR	Enter work schedule status in IFSM SHP	
		PE	Work complete Physically	
		PE	Close Out Package to Budget	
		WR	Close Out IFSM	
		B&A	IJO completion with cost	
		B&A	Cost to WR	
		WR	File cost in WR file	

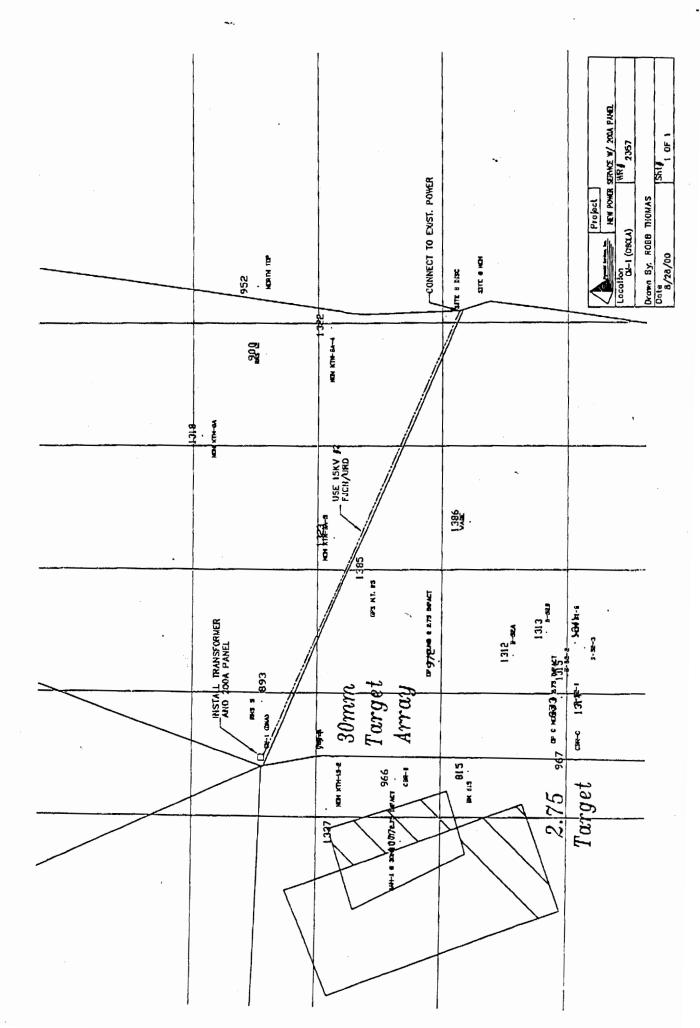
## Pyramid Servicës, Inc Desk Estimate

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Pyramid Services, Inc.	WR # 235/	Date:	8/28/00
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Project: Provide UNDERGROUND ELECT

Location: CM-1 (Cibb) Estimator Robb Thomas

LOCATION. CM-1 (CIPPA)		L	<u> </u>	Hatol		COD	11101	11100	
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75 KVA Ped mount X-former		EA-	3000	3000					
Lighting arrestor/cut out Combo	3	EA	105	315-					L
Bracket	3	EA	40	120-				, ,	
Aerial Term.	3	EA	50	150-			<u> </u>		
U-quard 4"	3	EA	80	160-					
U-guard 4" U-guard Boot	11	EA	80	80-					
Concrete	1.5	SY	85,25	128.63-	}				
Splice Kit (inline splice)	139	EA	36	1404-					
4" Elbows	6	EA	25	150/					
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Carpenter Elect (HV)						1500	47,74		
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WORK ORDER ROUTING SLIP	. #	8	6	0=	2

DESCR. Portand Plec Power

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DATE	INITIAL	DEPT PE / WA	ACTION
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V	1	WA	To Unit Price Estimate
2-21-03	RF	PE	Site visit with the requestor
3-4-07	RI-	PE	Desk estimate, IFSM
	1	PE	Copy of unit price estimate to W.A.
3-4-03	agen	WA	Enter Complete Unit Price Estimate in IFSM
1	4	.WR	Schedule W.O. for meeting w/slip
· .		WR	Enter Meeting Status in IFSM, i.e. APV
		WR	Send status letter to requestor
		WR.	To Oetail Estimate, send pink 4283 to PE
		PE	Complete Detail Estimate, copy to W.R.
		WR	Enter status in IFSM, SUP/SCH
	:	PE	Schedule Work, route to WR
		WA	Enter work schedule status in IFSM SHP
		PE	Work complete Physically
		PE	Close Out Package to Budget
		WR	Close Out IFSM
-		ASB	IJO completion with cost
		82.4	Cast to WR
		WR	file cost in WR file

Pyramid Services, Inc Desk Estimate

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Pyranid Services, Inc. W.R.# 2603	Date: 2-2>-03
W.IX.H	_
Project: Its #411 30, 0/H PUR LINE 7200/1242	ON 30 SUM LINE
Location: Two M to BROWN Estimator	Bob Thomas

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FACILITIES ENGINEERING WORK REQUEST PON A99-003

WORK REQUEST INFORMATION

DOCUMENT NUMBER MT GEAGS 3 J SHORT JOB DESC INSTL ABBR FAC NO

7 P G EXTEND ELECTRICAL POWER

FRE: PRIDRITY: QOD CATEGORY: BY: LAST UPDATED:

REMARK: BYYTHONIOS ##COST SET ONLY##

POC CHET JANGEKY PHONE: 920-0106 QUETOMER. MATERIAL TEST

WORK DESCRIPTION

EXTEND BLESTRICAL FOHER TO TOHER M TO BROWN.

SEE

ATTACHED MAP.

WORK REGUMBY PMIDRITY: APPROVAL WORKCLASS: CODE UNFUNDED FUNDED

PADG IND OD: FROG SAT CD:

BEEC INT CD: EST WORK START DATE.

WORK STATUS: TUE EST WORK COMPL DATE: TOTAL:

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UNIT PRICE ESTIMATE COST SUMMARY SHEET

FON AFF-003

DOCUMENT NUMBER: MT	92603 3 J SHORT	JOB DESC: EXTEND EL	ECTRICAL POWER
COST TYPE	WORK CLASS	METHOD OF ACCOMPL	EUNDING
LADOR 114674 MATERIAL 71877 EGUIF PNTL DEPR	К L 20457; М ОТИЕМ	IN-HOUSE E06871 TROOF SELF-HELP CONTRACT	FUNDED 206571 UNFUNDED
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UNIT PRICE ESTIMATE

PCN A99-003

YPO DOCUMENT NUMBER: HT ORAGE S J SHORT JOB DESC: EXTEND ELECTRICAL FOWER TASK NO: 001 METHOD OF ACCOMPLISHMENT: I WORK CLASS: L LABOR RATE: E ORIGIN: L LAST UPDATED: 4-MAR-03 BY: RMT UPS NO: COCCO QUANTITY: 1.00 U/H LS EQUIP DEPR:

TITLE: EXTEND & PHAGE: O/H, HIGH VOLTAGE POWER LINE FROM TOWER M TO TOWER (R 4983) AT BROWN IMPACT: LABDR & MATERIALS FOR APPROX 3.3 MILES OF POWER LINE, PLANNING, ESTIMATING & LOW CONTINGENCY.

L L HIG	SH VOLTAGE ELECT	2278.0	48.81 HR	111127.18
LMHV	EGUIPMENT	2278 0	5,60 HR	15034.80
L M ST	EEL POLES, WIRE, INSULATORS, ETC	1.0	58008.00 LS	88008.00
	THATING/WORK MOMT	100.0	34 85 HR	3455.00
L M Pag	S YEMICLE	100.0	.75 HR	75,00
L M 10;	G COMTINGEMOY	1.0	18779 00 LS	19779.00
LABORS	114678 MATERIALS: 91897 EQUIPM	ENTE	TOTAL#:	206572

